

**MMCX Plug to RA SMA Male Cable Tinned Aluminum
RG405 Type .086 Coax in 200 CM**

The MMCX plug to RA SMA male 200 cm cable using Tinned Aluminum RG405 type .086 coax, part number FMCA3036-200CM, from Fairview Microwave is in-stock and ships same day. This Fairview MMCX to SMA cable assembly has a plug to male gender configuration with 50 ohm semi-rigid FM-SR086ALTN-STR coax. Fairview Microwave's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. The FMCA3036-200CM MMCX plug to SMA male cable assembly operates to 6 GHz. The right angle SMA interface on the FM-SR086ALTN-STR cable allows for easier connections in tight spaces.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other RF cable assembly value added services including connector orientation or clocking, heat shrink booting and labeling are also available. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

| Description | Min | Typ | Max | Units |
|-----------------|-----|-----|-------|-------|
| Frequency Range | DC | | 6 | GHz |
| VSWR | | | 1.5:1 | |

Performance by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|------|-----|------|----|----|-------|
| Frequency | 1 | 2.5 | 6 | | | GHz |
| Insertion Loss (Typ.) | 1.81 | 2.4 | 3.91 | | | dB |

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

Mechanical Specifications
Cable Assembly

| | |
|---------|---------------------|
| Length* | 78.74 in [200 cm] |
| Weight | 0.071 lbs [32.21 g] |

Cable

| | |
|--------------------------------------|---------------------------|
| Cable Type | FM-SR086ALTN-STR |
| Impedance | 50 Ohms |
| Inner Conductor Type | Solid |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type | PTFE |
| Number of Shields | 1 |
| Outer Conductor Material and Plating | Tinned Aluminum |
| One Time Minimum Bend Radius | 0.05 in [1.27 mm] |


Configuration:

- MMCX Plug
- SMA Male Right Angle
- FM-SR086ALTN-STR

Features:

- Max Frequency 6 GHz

Applications:

- General Purpose
- Laboratory Use

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Connectors

| Description | Connector 1 | Connector 2 |
|---------------------------------|-------------|-----------------------|
| Type | MMCX Plug | SMA Male |
| Specification | | MIL-STD-348A |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material & Plating | Brass, Gold | Brass, Gold |
| Contact Plating Spec. | | 50 µin minimum |
| Dielectric Type | PTFE | PTFE |
| Body Material & Plating | Brass, Gold | Stainless Steel, Gold |
| Body Plating Spec. | | 30 µin minimum |
| Coupling Nut Material & Plating | | Brass, Nickel |
| Coupling Nut Plating Spec. | | 100 µin minimum |
| Hex Size | | 5/16 inch |
| Torque | | 3 in-lbs 0.34 Nm |

Environmental Specifications
Temperature

Operating Range -55 to +125 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA3036 - xx uu

cm = Centimeters
<blank> = Inches

Length

Example: FMCA3036-12 = 12 inches long cable
FMCA3036-100cm = 100 cm long cable

MMCX Plug to RA SMA Male Cable Tinned Aluminum RG405 Type .086 Coax in 200 CM from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [MMCX Plug to RA SMA Male Cable Tinned Aluminum RG405 Type .086 Coax in 200 CM FMCA3036-200CM](#)

URL: <https://www.fairviewmicrowave.com/mmcx-plug-to-ra-sma-male-cable-tinned-aluminum-rg405-type-.086-coax-fmca3036-200cm-p.aspx>

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